FIG. 1

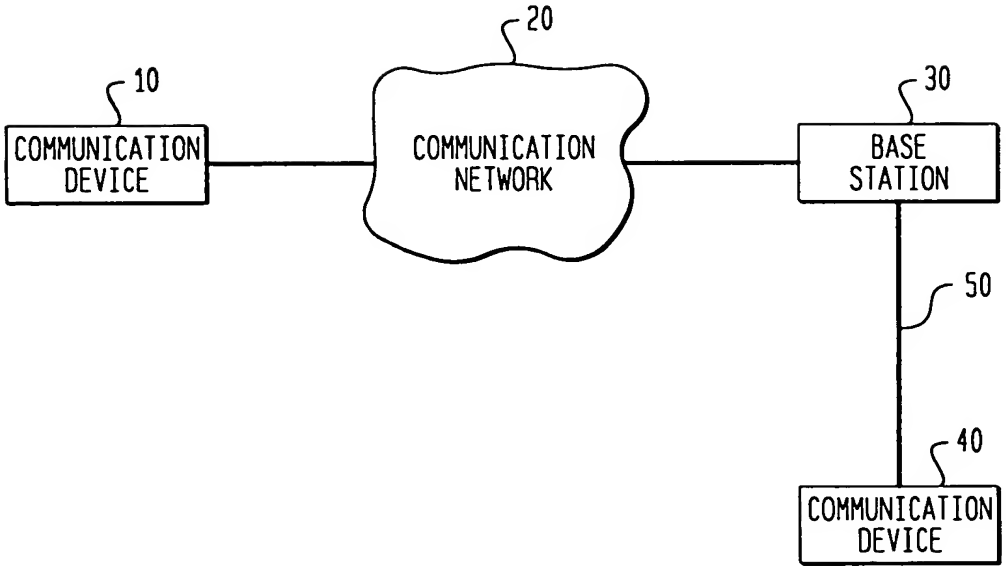

20
10
30
COMMUNICATION DEVICE
COMMUNICATION NETWORK
BASE STATION
50
40
COMMUNICATION DEVICE

FIG. 2A

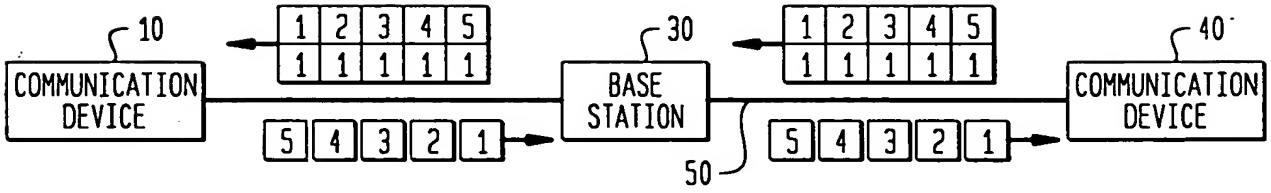


FIG. 2B

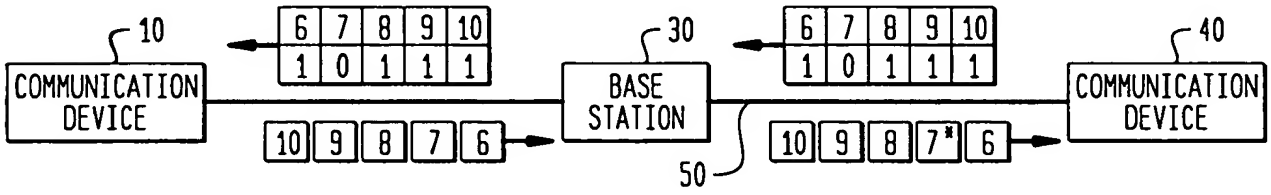


FIG. 2C

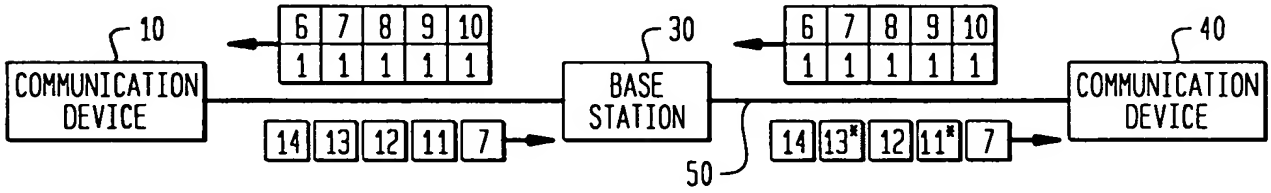


FIG. 2D

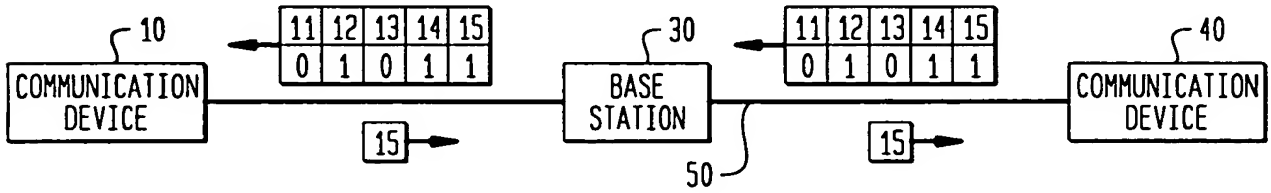


FIG. 2E

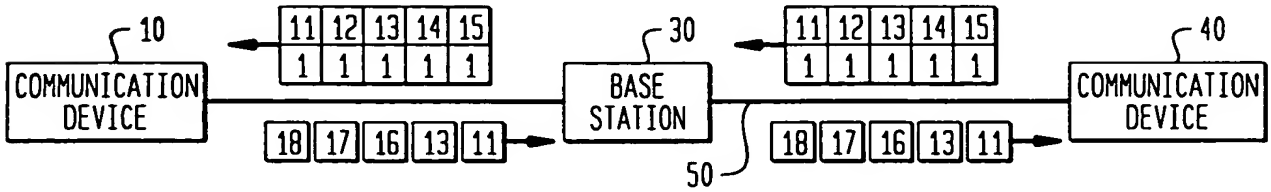


FIG. 3A

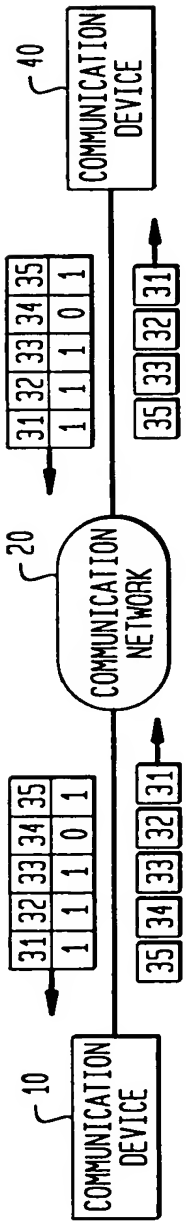

10
COMMUNICATION DEVICE
20
COMMUNICATION NETWORK
40
COMMUNICATION DEVICE
31 32 33 34 35
1 1 1 0 1
35 34 33 32 31

FIG. 3B

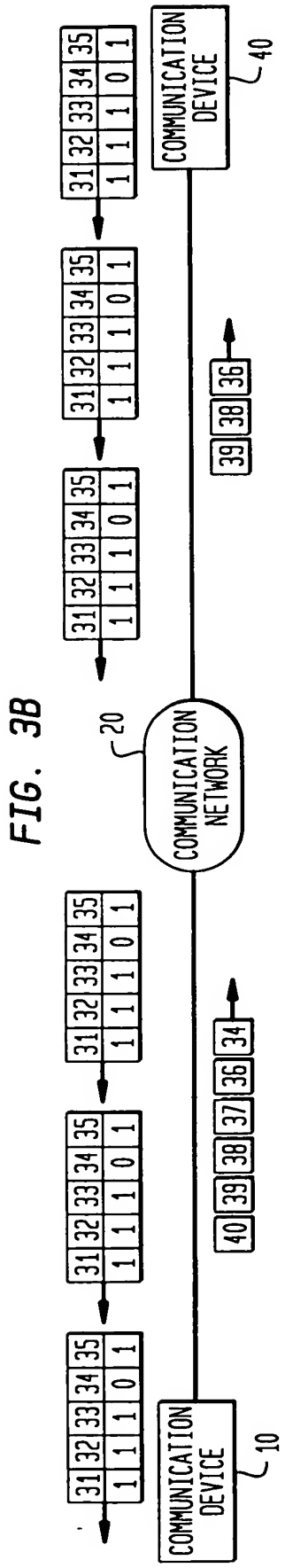

10
COMMUNICATION DEVICE
20
COMMUNICATION NETWORK
40
COMMUNICATION DEVICE
31 32 33 34 35
1 1 1 0 1
40 39 38 37 36 34
39 38 36

FIG. 3C

FIG. 3D

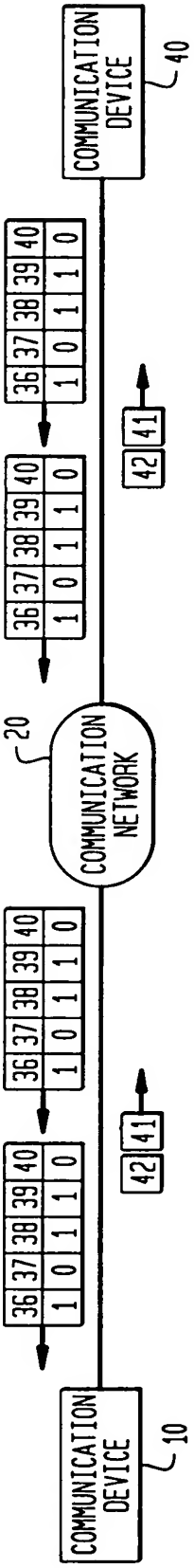


FIG. 3E

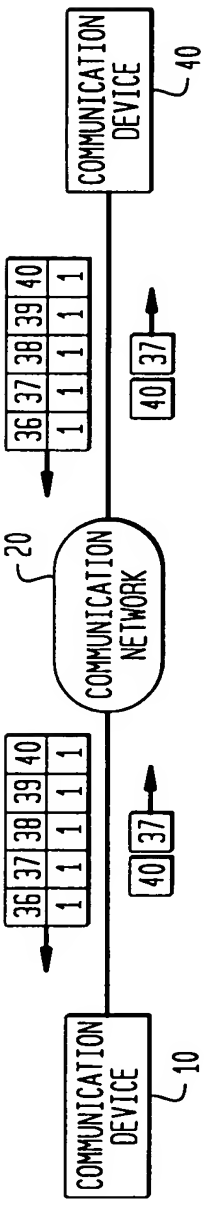


FIG. 4
(PRIOR ART)

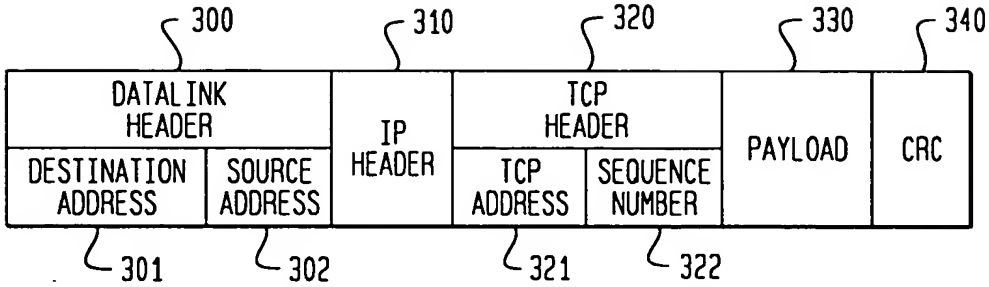


FIG. 5

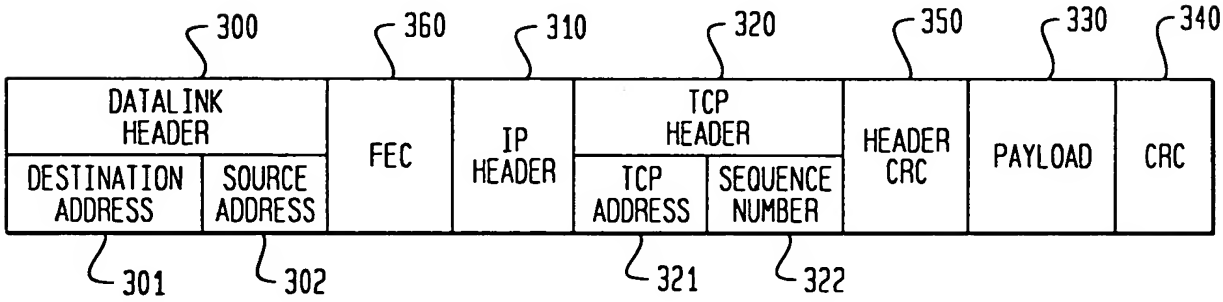


FIG. 6

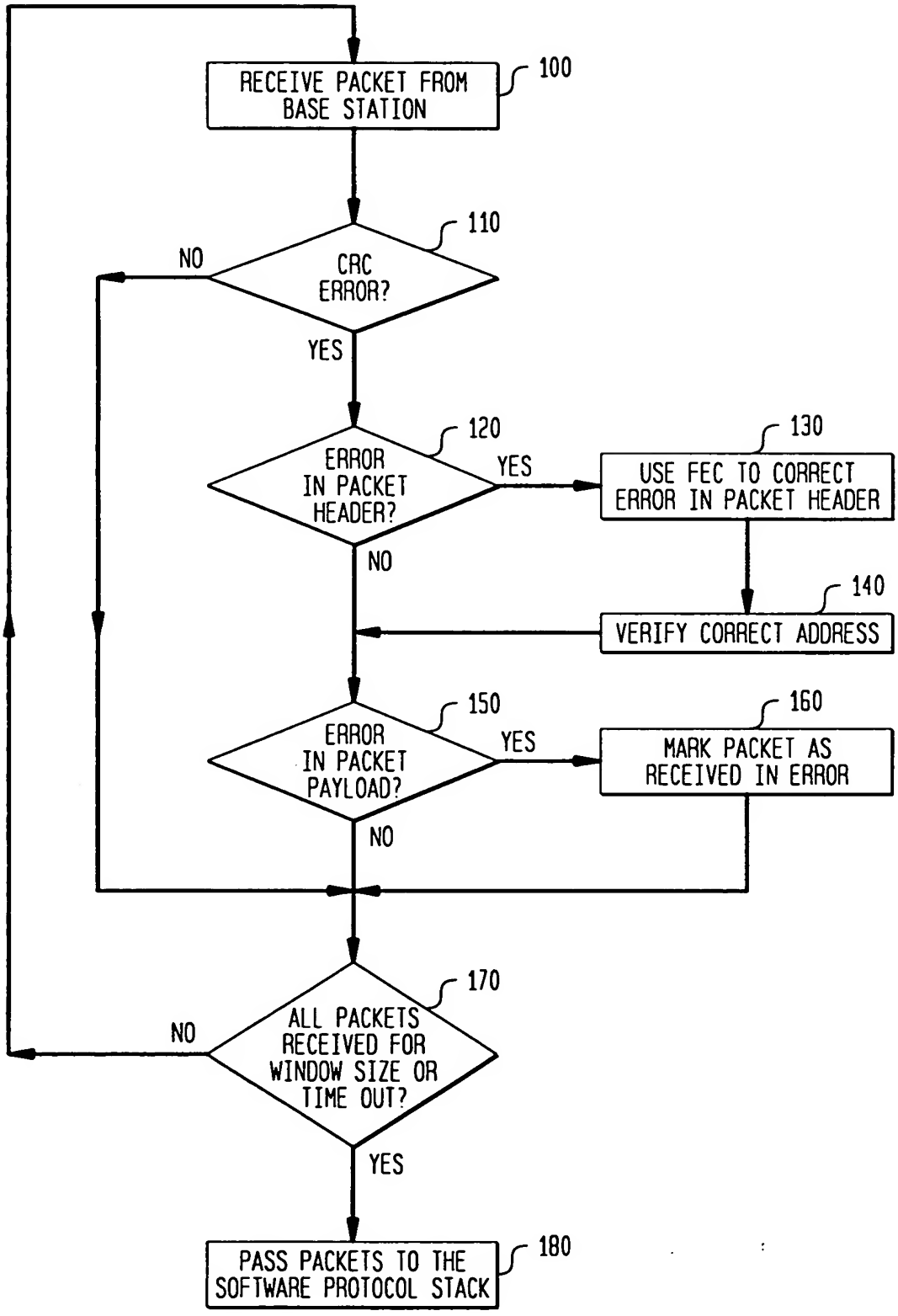
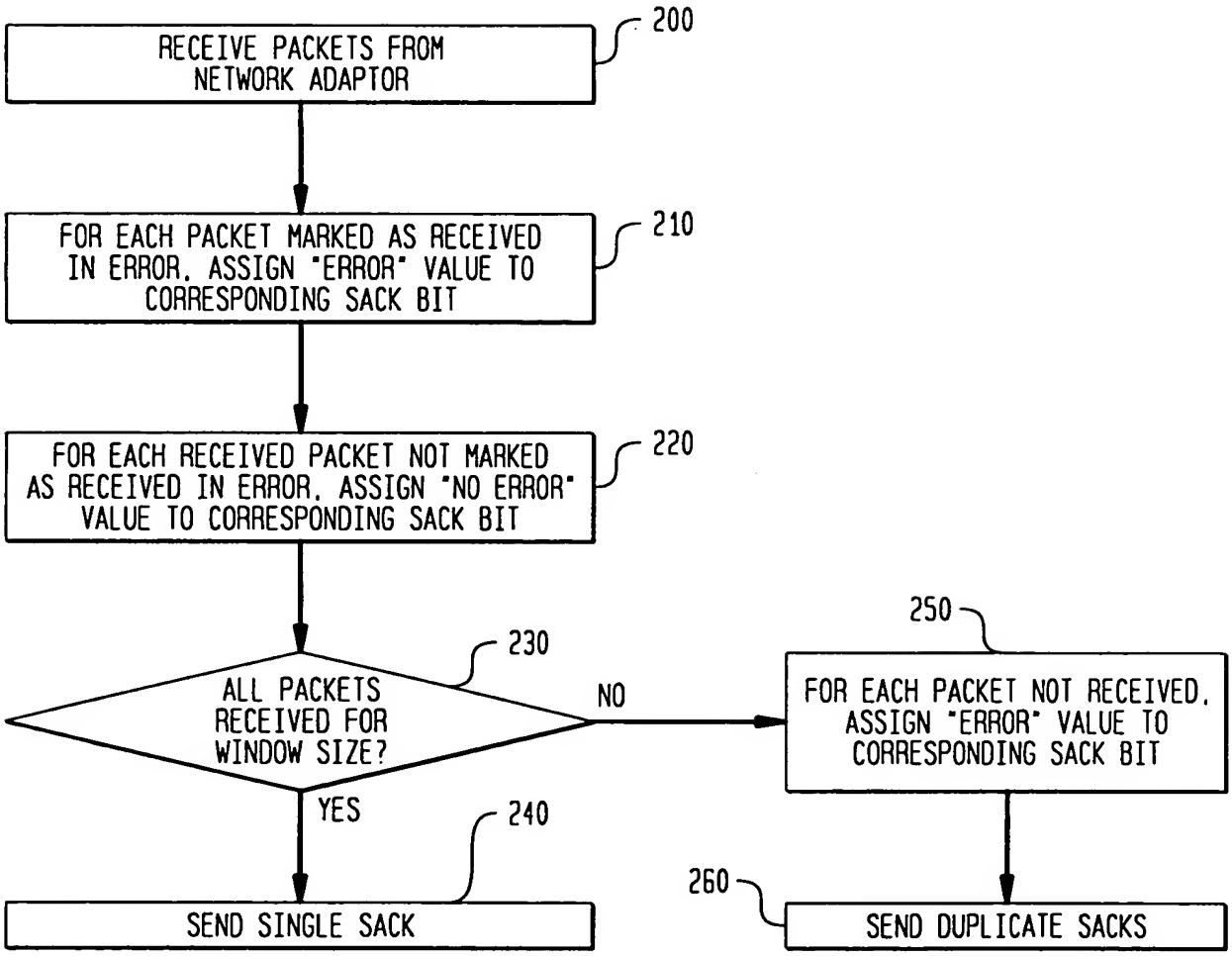

RECEIVE PACKET FROM BASE STATION
100
CRC ERROR?
110
NO
YES
ERROR IN PACKET HEADER?
120
YES
USE FEC TO CORRECT ERROR IN PACKET HEADER
130
NO
VERIFY CORRECT ADDRESS
140
ERROR IN PACKET PAYLOAD?
150
YES
MARK PACKET AS RECEIVED IN ERROR
160
NO
ALL PACKETS RECEIVED FOR WINDOW SIZE OR TIME OUT?
170
NO
YES
PASS PACKETS TO THE SOFTWARE PROTOCOL STACK
180

FIG. 7


RECEIVE PACKETS FROM NETWORK ADAPTOR
200
FOR EACH PACKET MARKED AS RECEIVED IN ERROR, ASSIGN "ERROR" VALUE TO CORRESPONDING SACK BIT
210
FOR EACH RECEIVED PACKET NOT MARKED AS RECEIVED IN ERROR, ASSIGN "NO ERROR" VALUE TO CORRESPONDING SACK BIT
220
ALL PACKETS RECEIVED FOR WINDOW SIZE?
230
NO
YES
FOR EACH PACKET NOT RECEIVED, ASSIGN "ERROR" VALUE TO CORRESPONDING SACK BIT
250
SEND SINGLE SACK
240
SEND DUPLICATE SACKS
260